

IFW16

RAW SEQUENCE LISTING

DATE: 10/01/2004

PATENT APPLICATION: US/09/891,119B

TIME: 11:47:22

Input Set : A:\24577-cyb.ST25.txt

Output Set: N:\CRF4\10012004\1891119B.raw

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3 <110> APPLICANT: Maddon, Paul J.
 5 <120> TITLE OF INVENTION: DERIVATIVES OF SOLUBLE T-4
7 <130> FILE REFERENCE: 24577-CY-B
9 <140> CURRENT APPLICATION NUMBER: 09/891,119B
10 <141> CURRENT FILING DATE: 2001-06-25
12 <160> NUMBER OF SEQ ID NOS: 22
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1273
18 <212> TYPE: DNA
19 <213> ORGANISM: Human
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23 <222> LOCATION: (76)..(1257)
24 <223> OTHER INFORMATION:
27 <220> FEATURE:
28 <221> NAME/KEY: CDS
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29 <222> LOCATION: (1261)..(1269)



30 <223> OTHER INFORMATION:

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37	Met Asn Arg Gly Val Pro Phe Arg His Leu Leu																
38					1				5					10			
40	gtg	ctg	caa	ctg	gcg	ctc	ctc	cca	gca	gcc	act	cag	gga	aag	aaa	gtg	159
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<b>4</b> 2			15					20		-			25				
	gtg	~	~~				_			_	_		_		_		207
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49	${\tt Gln}$	Lys	Lys	Ser	Ile	Gln	Phe	His	$\operatorname{Trp}$	Lys	Asn	Ser	Asn	Gln	Ile	Lys	
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52	att	ctg	gga	aat	cag	ggc	tcc	tcc	tta	act	aaa	ggt	cca	tcc	aag	ctg	303
53	Ile	Leu	Gly	Asn	Gln	Gly	Ser	Ser	Leu	Thr	Lys	Gly	Pro	Ser	Lys	Leu	
54					65					70					75		
	aat																351
57	Asn	Asp	Arg	Ala	Asp	Ser	Arg	Arg	Ser	Leu	Trp	Asp	Gln	Gly	Asn	Phe	
58				80					85					90			
60	CCC	ctg	atc	atc	agg	aat	ctt	aag	ata	gaa	gac	tca	gat	act	tac	atc	399
61	Pro	Leu	Ile	Ile	Arg	Asn	Leu	Lys	Ile	Glu	Asp	Ser	Asp	Thr	Tyr	Ile	
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64	tgt	gaa	gtg	gag	gac	cag	aag	gag	gag	gtg	caa	ttg	cta	gtg	ttc	gga	447

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66	Cys	Glu 110	Val	Glu	Asp		Lys 115	Glu	Glu	Val	Gln	Leu 120	Leu	Val	Phe	Gly	
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69	Leu	Thr	Āla	Asn	Ser	Asp	Thr	His	Leu	Leu	Gln	Gly	${\tt Gln}$	Ser	Leu	Thr	
70	125					130					135					140	
72	ctg	acc.	ttg	gag	agç	ccc	cct	ggt	agt	agc	ccc	tca	gtg	caa	tgt	agg	543
73	Leu	Thr	Leu	Glu	Ser	Pro	Pro	Gly	Ser	Ser	Pro	Ser	Val	Gln	Cys	Arg	
74					145					150					155		*6
76	aqt	cca	agg	ggt	aaa	aac	ata	cag	ggg	ggg	aag	acc	ctc	tcc	gtg	tct	591
				Gly													
78			_	160	•				165	_	_			170	•		
80	caq	ctq	qaq	ctc	caq	qat	aqt	qqc	acc	tgg	aca	tgc	act	gtc	ttg	cag	639
				Leu													
82			175					180		-		-	185				
	aac	caq		aag	ata	aaa	ttc		ata	qac	atc	qtq	qtq	cta	gct	ttc	687
85	Asn	Gln	Lvs	Lys	Val	Glu	Phe	Lvs	Ile	Asp	Ile	Val	Val	Leu	Ãla	Phe	
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92	Dhe	Sar	Dhe	Pro	T.em	Δla	Phe	Thr	Val	Glu	Lvs	Len	Thr	Glv	Ser	Glv	
94		561	FIIC	110	225	niu	IIIC .	1111		230	_,_			<b>U 1</b>	235		•
		ata	taa	tgg		מפמ	aaa	add	act		tcc	tcc	aad	tet		atc	831
20	Clu	Lou	Trn	Trp	Cln	71a	Glu	Ara	Δla	Ser	Ser	Ser	Lvs	Ser	Trn	Tle	
98	GIU	Беи	пр	240	GIII	Aia	GIU	Arg	245	JCI	JCI	DCI	шуы	250	11-12		
-	0 20	- - +++			220	220		מבח ז		rtat	ata		, cac		- acc	cag	879
																Gln	0.5
10		F F116	255		. шуъ	, NOI	шуа	260		DCI	val		265			. 0111	
		a aat				a+0	, aa			cto	י ממכ	ratá			r acc		927
10	s ya	o Dro	Lace	y CCC	cag	ace	999	uag	uug	,						: (:[.u	
10		_		T. D.11	വിന	Mot	_C1 x	7 T.37C	Ť.v.c	. T.e.11	Pro	Lei	His	. T.e.i	ı Thr	ctg	221
				s Leu	Gln	Met			Lys	Leu	Pro	Lei	ı His	Leu	ı Thı	Leu	721
	0 00	270	) .				275	5	Lys	Leu	Pro	Let 280	ı His )	Leu	ı Thr	Leu	
		c cag	) . g gcd	c ttg	cct	cag	275 tat	s get	Lys ggc	Leu tct	Pro	280 280 a aac	n His ) c cto	Let acc	Thr	Leu g ġcc	975
10	9 Pro	c cag o Gli	) . g gcd	c ttg	cct	cag Gln	275 tat Tyr	s get	Lys ggc	Leu tct	Pro gga Gly	Leu 280 a aao 7 Asr	n His ) c cto	Let acc	Thr	Leu g ġcc ı Ala	
10 11	9 Pro 0 28	c cag o Gli 5	) g gco n Ala	c ttg a Leu	cct Pro	cag Gln 290	275 tat Tyr	gct Ala	Lys ggo Gly	Leu tot Ser	gga Gly 295	Let 280 a aao 7 Asr	n His ) c cto n Leu	Let acc	Thr c cto c Lei	g gcc 1 Ala 300	975
10 11 11	9 Pro 0 28! 2 cti	c cag o Gli 5 t gaa	g gco n Ala	c ttg a Leu g aaa	cct Pro	cag Gln 290	275 tat Tyr aag	get Ala ttg	ggo Gly	Leu tct Ser	gga Gly 295	Let 280 a aad Asr 5	His C cto Lev	Let according The	Thr ctg Lei	j gcc Ala 300 g gtg	
10 11 11 11	9 Pro 0 28! 2 cti 3 Lei	c cag o Gli 5 t gaa	g gco n Ala	c ttg a Leu g aaa	cct Pro aca	cag Gln 290 gga	275 tat Tyr aag	get Ala ttg	ggo Gly	tet Ser cag	gga Gly 295 ggaa Glu	Let 280 a aad Asr 5	His C cto Lev	Let according The	Thr cto Let g gto l Val	g gcc i Ala 300 g gtg l Val	975
10 11 11 11	9 Pro 0 28! 2 cti 3 Lei 4	c cag o Glr 5 t gaa u Gl	g gco n Ala n gco n Ala	c ttg a Leu g aaa a Lys	cct Pro aca Thr	cag Gln 290 gga Gly	275 tat Tyr aag	get Ala ttg	ggo Gly cat	tct Ser Cag Gln 310	gga Gly 295 ggaa Glu	Let 280 A aac Asr 5 a gto	n His C cto Leu J aac L Asr	acc Thr cto	Thr c cto Lev g gto val	g gcc g gcc a Ala 300 g gtg Val	975 1023
10 11 11 11 11	9 Pro 0 28! 2 cti 3 Lei 4	c cag o Glr 5 t gaa u Glu g aga	g gco n Ala a gco n Ala	c ttg a Leu g aaa a Lys c act	aca Thr 305	cag Gln 290 gga Gly	275 y tat y Tyr i aag Lys	get Ala ttg Leu	ggo Gly cat His	tct Ser cag Gln 310	gga Gly 295 ggaa Glu	280 a aac Asr 5 a gtg 1 Val	n His ) c ctc n Leu g aac L Asr	acc Thr cto Lei	to The Control of the	g gcc 1 Ala 300 g gtg Val 5	975
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10 11 11 11 11 11 11 12	9 Pro 0 289 2 ctt 3 Len 4 6 ato 7 Med 8 0 cco 1 Pro	c cago Glr  t gas u Glu g ags t Arg	g gcc n Ala a gcc n Ala a gcc n Ala c tcc c Sen	ttga Leu g aaaa Lys c acta Thr 320 c cct	aca Thr 305 cag	cag Gln 290 gga Gly cto Leu	275 tat Tyr aag Lys cag Glr	g ttog g aaa g aaa g aaa g aaa g atog g ctog	ggc ggc Gly cat His Asn 325 agc	tct Ser cag Gln 310 ttg	gga gga gga gga ggaa Glu gac gac gaa	280 280 280 Asr S Cys Cys	n His c ctc c ctc n Leu g aac l Asr c gag s Glu g gag n Glu	accon Thrace cton Lei Val 330 aacon Asr	g gtg Val 315 t Try	y gcc 1 Ala 300 y gtg 1 Val 5 gga 5 Gly	975 1023 1071
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10 11 11 11 11 11 12 12 12 12 12 12	9 Pro 0 28! 2 ctt 3 Len 4 6 ate 7 Met 8 0 ccc 1 Pro 2 4 gca 5 Ala 6 8 gcg	c cago Glr  t gaa u Glr  g aga t Arg c acc o Thr a aag a Lys 350	g gcon Ala g	ttgg a Leu g aaa Lys a Cact a Thr 320 c cct r Pro t tcg	aca Thr 305 cag Gln aag Lys	cag Gln 290 gga Gly cto Leu Leu Arg	275 y tat y tat y tat y aag y Lys cag y Glr y at y Glr 355 y ct y ct y ct	g ttoggaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	ggo Gly cat His Asn 325 Jago Ser Jago Ala	tct Ser cag Gln 310 ttg Leu ttg t Leu gtg	gga Gly 295 ggaa Glu Jaco Thr Jaaa Lys Trr	Leu 280 aac VAsr S G G G G G G G G G G G G G G G G G G	His c ctc c ctc g aac l Asr c gag g Glu 345 g ctc l Leu	c according to the control of the co	g togget	G Leu  g ġcc n Ala 300 g gtg Val  g gga Gly g gag G Glu g gag	975 1023 1071 1119

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Output Set: N:\CRF4\10012004\I891119B.raw

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169					85					90					95		
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173				100					105					110	_	•	
	Asp	Gln	_	Glu	Glu	Val	Gln		Leu	Val	Phe	Gly		Thr	Ala	Asn	
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	Leu		Pne	Thr	vaı		ьуѕ	ьeu	Thr	GIY		GTA	GIU	ьeu	тър		
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	Lys	Mall	пур	260	val	per	val	пλр	265		TIIL	GIII	чэр	270	пув	ПСИ	
213	Gln	Mo+	۲٦,,		Tvc	Lov	Dro	Lov		Τ Α11	The	Lev	Dro		<b>⊼</b> 1 ⇒	T.011	
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217	Pro	Gl n		אן ה	C137	Car	G1 37		Leu	ሞኮም	Leu	<b>Δ</b> 1 ⊃		Gl 12	Δls	T.vg	
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Input Set : A:\24577-cyb.ST25.txt
Output Set: N:\CRF4\10012004\1891119B.raw

	Output Set: N:\CRF4\10012004\1891119B.raw	
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201	2112 ODGANISM. Artificial Company	

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## RAW SEQUENCE LISTING

DATE: 10/01/2004 PATENT APPLICATION: US/09/891,119B TIME: 11:47:22

Input Set : A:\24577-cyb.ST25.txt

Output Set: N:\CRF4\10012004\I891119B.raw

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320 etggegetee teecageage caeteaggga aagaaagtgg tgetgggeaa aaaaggggat
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322 acagtggaac tgacctgtac agcttcccag aagaagagca tacaattcca ctggaaaaac
324 tecaaccaga taaagattet gggaaateag ggeteettet taactaaagg tecatecaag
                                                                          300
326 ctgaatgate gegetgaete aagaagaage etttgggaee aaggaaactt eeceetgate
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328 atcaagaatc ttaagataga agactcagat acttacatct gtgaagtgga ggaccagaag
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330 gaggaggtgc aattgctagt gttcggattq actqccaact ctqacaccca cctqcttcaq
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332 gggcagagcc tgaccctgac cttggagagc ccccctggta gtagcccctc agtgcaatgt
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336 ctccaggata gtggcacctg gacatgcact gtcttgcaga accagaagaa ggtggagttc
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338 aaaatagaca tegtggtget agettteeag aaggeeteea geatagteta taaqaaaqaq
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340 ggggaacagg tggagttete etteceaete geetttacag ttgaaaaget gacqggcaqt
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342 ggcgagetgt ggtggeagge ggagaggget teeteeteea agtettggat eacetttgae
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344 ctgaagaaca aggaagtgtc tgtaaaacgg gttacccagg accctaagct ccagatgggc
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346 aagaagetee egeteeacet caccetgeee caggeettge eteagtatge tggetetgga
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348 aacctcaccc tggcccttga agcgaaaaca ggaaagttgc atcaggaagt gaacctggtg
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350 gtgatgagag ccactcagct ccagaaaaat ttgacctgtg aggtgtgggg acccacctcc
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352 cctaagctga tgctgagctt gaaactggag aacaaggagg caaaggtttc gaagcgggag
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354 aaggeggtgt gggtgetgaa eeetgaggeg gggatgtgge agtgtetget gagtgaeteg
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356 ggacaggtcc tgctggaatc caacatcaag gttctgccca catggtccac cccggtgcag
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358 ccaatggccc tgattgtgct ggggggggtc gccggcctcc tgcttttcat tgggctaggc
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360 atettettet gtgtcaggtg ceggcacega aggegecaag cagageggat gtetcagate
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366 cegegtttee tgeetgegga ceagatgaat gtageagate ceaegetetg geeteetgtt
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368 egteeteeet acaatttgee attgtttete etgggttagg eeeeggette aetggttgag.
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370 tgttgctctc tagtttccag aggcttaatc acaccgtcct ccacgccatt tccttttcct
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388 Ala Leu Leu Pro Ala Ala Thr Gln Gly Lys Lys Val Val Leu Gly Lys
392 Lys Gly Asp Thr Val Glu Leu Thr Cys Thr Ala Ser Gln Lys Lys Ser
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VERIFICATION SUMMARY

DATE: 10/01/2004

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